



WO 99/50406

PCT/US99/07185

1/7

71.3% identity in 376 nt overlap; init: 76, opt: 608

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      10      20      30      40      50      60
-mGDF GTTGGAGAACTAAGAAGGAAAGCATCTCTCGTGGCAGTCTTCTTTCTAAAGGTCGGG
      10      20      30      40      50      60
-hGDF CTTGGGAGAACTAGTGAGGAACATATTTCTCATGCGCAGTCTCTTCTAAAGGOCAGGA

      70      80      90      100     110
-mGDF AGGCCCTGCGGTGGTC-CTTAAATAAAATCTAGGTGT--GGAAGACTGACTTCACTTCT
      70      80      90      100     110     120
-hGDF AGAGCCTAGCTTGGTCTCTTAAATAAAATTTTCAGGTGTGTGGGTGGACTACGGTCACTTCT

                                GATA-1      X-Box
      120     130     140     150     160     170
-mGDF GTAATCAGACCTCAAGCATGCGTAGCTGTACATTGTTTCTATCAGCTCTACAGCAGTCA
      130     140     150     160     170
-hGDF GTAATCAGGCGCTCAAGTATGCGTAGCTGAAGATT----TATCAGCTCTATATCAAGCA

                                Oct-1
      180     190     200     210     220     230
-mGDF GCTGACACACCGGT*TTTATCCAAATTTGTTCTCATTAGATACAGATTATCTACTTATT
      180     190     200     210     220     230
-hGDF GCTGATAACACCTTATTTAGCCAAATTTGT--TAATTAGATACAGATTACTTGGTTATT

      240     250     260     270     280     290
-mGDF GGCCTTCTTTCCCTGTTTCTCTGGACATTATTTCAAACCCACCAAGTATCGTCAACCT
      240     250     260     270     280
-hGDF AGCTTTC-CTCTCT-TTCCCTGG-CATTTACGTAAACCC----GTTACTGTACACT

      300     310     320     330     340     350
-mGDF AGTGGACTACTTATATAGGTGAGAGCCCAACAGAAACCCAGGA-ATTATAAAACAAAC
      290     300     310     320     330     340
-hGDF ACCGGACTAATCTATGTAGCTGAAGTCTAAGATAAATTGAGGAATGATCTTAAATAAAAT

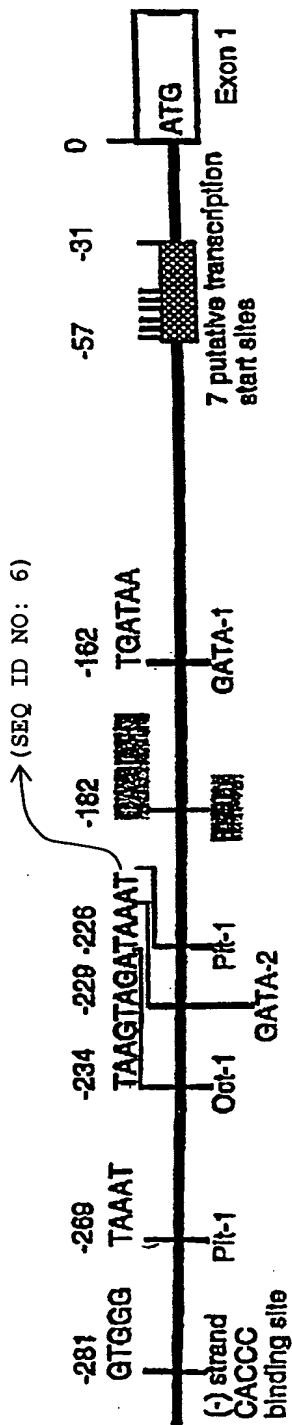
      360     370
-mGDF CTCTTAGGGCTGGAGA (SEQ IN NO: 2)
      350     360
-hGDF CTCTCATTTTGGAGA (SEQ ID NO: 3)

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5'

Figure 1

mGDF-9 5' Flanking Region



mZP3 5' Flanking Region *

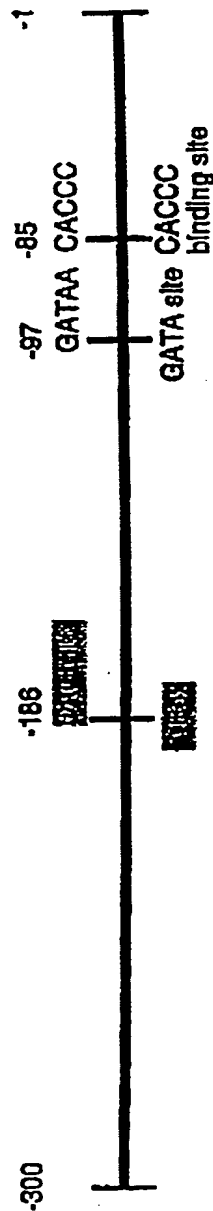


Figure 6